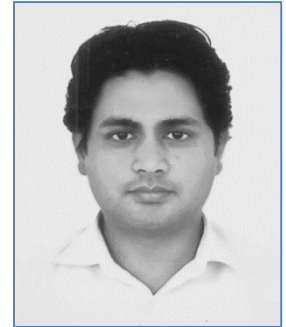# CURRICULUM VITAE – DR. SUNIL

PERSONAL INFORMATION

Name: Dr. Sunil

Current Position: Associate Professor | Placement Coordinator |
Self-Finance Course Coordinator
Section of Computer Engineering
Department of University Polytechnic
Faculty of Engineering & Technology
Jamia Millia Islamia (A Central University)
New Delhi, India

Postal address: Section of Computer Engineering
Department of University Polytechnic
Faculty of Engineering & Technology
Jamia Millia Islamia (A Central University)
New Delhi, India

Phone: +91-9910371407 (M)

E-Mail: sunil@jmi.ac.in;
sunil.rawat123@gmail.com

CAREER PROFILE   (TOTAL TEACHING EXPERIENCE: 17+ YEARS)

31st August, 2020 – Till Date

Associate Professor

Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

19th July, 2007 – 30th August, 2020

Assistant Professor

Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

19th July, 2006 – 18th July, 2007

Lecturer

Department of Computer Science and Engineering, Al-Falah School of Engineering and Technology, Dhauj, Faridabad (Al-Falah University), Haryana, India.

ADMINISTRATIVE ASSIGNMENTS

April, 2019 – Till Date (4+ Years)

Coordinator, Self-Finance Course

Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

July, 2008 – Till Date (15+ Years)

Training & Placement Coordinator (Regular Course)

Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

July, 2007 – Till Date (16+ Years)

Training & Placement Coordinator (Evening/Self-Finance Course)

Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

July, 2019 – June, 2021 (2 Years)

Section In-charge/Head of Section

Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

April, 2010 – March, 2013 (3 Years)

Coordinator, Evening Course

Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

July, 2007 – Till Date (16+ Years)

Laboratory In-charge

Computer Network Lab. | Computer Application Lab., Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

Year 2013 & 2019

Assistant Superintendent

Annual and Compartmental Examinations of Diploma in Engineering (Evening/Self-Finance) Courses- 2013 & 2019, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

Year 2013

Assistant Superintendent

B.Tech. Entrance Test, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India in the year 2013.

EDUCATIONAL QUALIFICATIONS

(Ph.D: 2014 - 2020)

Ph.D. (Computer Engineering)

Department of Computer Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India.

Title of Ph.D. Dissertation:

Web Mining on Asynchronous E-learning.

Supervisor: Prof. M. N. Doja, Department of Computer Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi, India

(M.Tech: 2009 – 2012)

M.Tech. (Computer Science)

Department of Computer Science, Faculty of Management Studies & Information Technology, Jamia Hamdard (Deemed to be University), New Delhi, India.

Title of M.Tech. Dissertation:

An Energy Efficient Secure Zone-Based Routing Protocol for Mobile Ad-Hoc Networks.

Supervisor: Dr. Safdar Tanveer, Assistant Professor, Department of Computer Science, Faculty of Management Studies & Information Technology, Jamia Hamdard (Deemed to be University), New Delhi, India.

(B.Tech: 2003 – 2006)

B.Tech. (Computer Science & Engineering)

Northern India Engineering College, Lucknow, Uttar Pradesh, affiliated to Uttar Pradesh Technical University (UPTU), Uttar Pradesh, India.

Diploma Engineering (Computer Engineering)

Government Polytechnic, Unnao, Uttar Pradesh, affiliated to Uttar Pradesh Board of Technical Education (UP-BTE), Uttar Pradesh, India.

COURSES TAUGHT AT VARIOUS LEVELS

- Fundamental of Computers
- Programming in C
- Object Oriented Programming (C++)
- Database Management System
- Data Communication & Computer Networks
- Operating System
- Mobile Computing
- Information Security and Cyber Law

RESEARCH INTERESTS

Applied E-Learning, Artificial Intelligence, Data Mining, Web Mining, Knowledge Management, Web-Based Teaching & Learning, Interactive Learning, Learning Management Systems, Swarm Intelligence, Data Science and Sustainable Development, Mobile ad-hoc Networks, etc.

KEY RESPONSIBILITIES

1. **Committee Member** for **AICTE** approval of Diploma Engineering Programmes of University Polytechnic, Jamia Millia Islamia, New Delhi.
2. **Member** of Institutional Innovation Council (**IIC 5.0**: An MoE initiative), Jamia Millia Islamia, New Delhi since November 2022.
3. Being **Coordinator**, Computer Engineering (Self-Finance Course) prepares Time-Table of Computer Engineering Section (Self-Finance Course) and provides counseling to students.
4. While **Section In-charge**, Computer Engineering (Day Course) prepared Time-Table of Computer Engineering Section (Day Course) and provided counseling to students.
5. **Teaching Subjects** to the students as per assigned workload by using direct classroom teaching as well as using e-resources.

6. **Conducting Laboratory Sessions** for the subjects as per assigned workload.
7. **Taking Tutorial Session** for solving students' problems.
8. **Prepare Assignments** for both theories as well as laboratory curriculum.
9. Being **Training & Placement Coordinator** advice students on future career decisions and provide career counseling.

AICTE/UGC/MHRD/REFRESHER/ORIENTATION ACADEMIC COURSES ATTENDED

1. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online Advanced FDP** on "**Introductory Data Science and Deep Learning**" from September 16-20, 2021 at International Institute of Information Technology (IIIT), Naya Raipur.
2. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online Elementary FDP** on "**Nature Inspired Optimization Techniques**" from July 19-23, 2021 at National Institute of Technology (NIT), Delhi.
3. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online Advanced FDP** on "**Basic Course in Animation Film Making**" from June 21-25, 2021 at Film & Television Institute of India (FTII), Pune.
4. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online Elementary FDP** on "**Reinforcement Learning and It's Applications**" from June 07-11, 2021 at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur.
5. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online FDP** on "**Green Technology & Sustainability Engineering**" from January 11-15, 2021 at Motilal Nehru National Institute of Technology Allahabad.
6. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online FDP** on "**Quantum Computing**" from January 04-08, 2021 at Gandhi Institute of Technology and Management (GITAM), Bengaluru.
7. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online FDP** on "**Augmented Reality (AR)/Virtual Reality (VR)**" from October 12-16, 2020 at Rajeev Gandhi Memorial, College of Engineering and Technology, Kurnool District, Nandyala, Andhra Pradesh.
8. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy **One-Week Online FDP** on "**Internet of Things (IoT)**" from October 5-9,

2020 at Babasaheb Bhimrao Ambedkar University (A Central University), Vidya Vihar, Raebareli Road, Lucknow.

9. Participated in the **Two-Weeks Refresher Course** in "**Computer Science and Information Technology**" organized by UGC HRDC, Jawaharlal Nehru University, New Delhi from September 16-28, 2019.

10. Participated in **One-Week GIAN (Global Initiative of Academic Network) Course** on "**Graph Mining and Analysis**" organized by Jamia Millia Islamia, New Delhi and Ministry of Human Resource Development (MHRD), Government of India, from December 17-23, 2015.

11. Participated in the **Three-Weeks Refresher Course** organized by UGC ASC Jamia Millia Islamia, New Delhi from 16th May, 2013 to 6th June, 2013.

12. Participated in the **Four-Weeks Refresher Course** in "Computer Science & Information Technology" organized by UGC ASC Jawaharlal Nehru University, New Delhi from 16th July, 2012 to 9th August, 2012.

13. Participated in the 93rd **Four-Weeks Orientation Programme** organized by UGC ASC Jamia Millia Islamia, New Delhi from 20th July, 2010 to 16th August, 2010.

SHORT TERM TRAINING PROGRAMME/WORKSHOPS/WEBINAR ATTENDED

1. Attended **National Webinar** on "**ChatGPT for Coding**" organized by the Department of Computer Science and Engineering, JIS College of Engineering, in collaboration with Zreyas Technology Pvt. Ltd. held on February 16, 2023.

2. Participated in the **Intellectual Property Awareness/Training program** under National Intellectual Property Awareness Mission that is Jointly Organized by Intellectual Property Office and MoE's Innovation Cell, India held on December 20, 2022.

3. Participated in the **1st National Level Research Conclave** held on December 19-20, 2022 organized by the Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India.

4. Attended **Webinar** on "**AI in Cyber Security**" organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi on 03 December, 2022.

5. Attended **International Seminar** on "**Artificial Intelligence and Applications**" jointly organized by Interdisciplinary Centre for Artificial Intelligence &

Development of Computer Engineering, Aligarh Muslim University, Aligarh held on 7 March, 2022 in online mode.

6. Attended **One-Day Webinar** on **"Managing & Measuring Research: Using SCOPUS Effectively"** organized by Jamia Millia Islamia, New Delhi on Tuesday 29 June, 2021, presented by Senior Customer Consultant-Elsevier.

7. Attended **One-Day National Summit** on **"Cyber Security: Issue of concern for Business Challenges Opportunities & Remedies"** organized by Institute of Technology & Science, Mohan Nagar, Ghaziabad on 20 March, 2021.

8. Participated in **One-Week "International Research Oriented Programe"** from 26-31 October, 2020 organized by M.M. Institute of Computer Technology and Business Management (MCA), Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, Haryana in accociation with Elsevier India and RAx Labs Inc., USA.

9. Attended the **One-Week Webinar** on **"Cyber Security Techniques with Application"** during 5-9 October, 2020 organized by Department of Computer Science & Technology, Indian Institute of Technology (Indian School of Mines), Dhanbad.

10. Attended the **Virtual Global Summit** on **"Artificial Intelligence: Responsible AI for Social Empowerment (RAISE2020)"** conducted by Ministry of Electronics & Information Technology, Government of India October, 2020.

11. Participated in the **Webinar** on "**Industry 4.0 and the Blockchain Technology**" organized by the Department of CSE, JIS College of Engineering, West Bengal on 3rd October, 2020.

12. Participated in the **One-Week Online Faculty Development Programme** on "**Python Programming Language**", organized by the Department of Computer Engineering, Jamia Millia Islamia, New Delhi in association with Spoken Tutorial, IIT-Bombay, held from 31st August, 2020 to 4th September, 2020.

13. Participated in the **Webinar** on "**Robotics- Connecting Engineering Minds**", organized by McGraw Hill, India on 22nd July, 2020.

14. Attended an **International Webinar** on "**Time Series Analysis, Modeling and Forecasting**" organized by Department of Computer Science & Engineering, JIS College of Engineering, Kalyani, Nadia, West Bengal, India on 4th July, 2020.

15. Participated in **Webinar** on "**Publishing Ethics: The Role of Publishers, Journals, Researchers and Institutions**", organized by Springer Nature in collaboration with INFLIBNET Centre on 25th June, 2020.

16. Participated in 2nd **International Webinar** on "**Impact of Covid 19 on Technology with reference to Sustainable Development Goals**", organized by Department of Computer Science & Engineering, School of Engineering Sciences & Technology, Jamia Hamdard, New Delhi, India on 20th June, 2020.

17. Attended an **International Webinar** on "**Automated Guided Vehicle Technology**" organized by Department of Computer Science & Engineering, JIS College of Engineering, Kalyani, Nadia, West Bengal, India on 18th June, 2020.

18. Participated in the **Webinar** on "**Big Data and Covid 19: Technologies and Applications**", organized by McGraw Hill, India on 16th June, 2020.

19. Participated in the **Webinar** on "**Impact of AI during Pandemic Times**", organized by McGraw Hill, India on 4th June, 2020.

20. Participated in the **Webinar** conducted for "**JOVE (Journal of Visualized Experiments)**", organized by Balani Infotech Pvt. Ltd., India on 4th June, 2020.

21. Participated in the **Webinar** on "**The Economics of the Pandemic**", organized by McGraw Hill, India on 28th May, 2020.

22. Participated in **One-Week Online FDP** on "**Big Data Tools**" organized by Department of Computer Science and Engineering & Information Technology, St. Martin's Engineering College, Dhulapally, Secunderabad held from May 18-23, 2020.

23. Participated in the **Webinar** on "**Getting job ready for post Covid era**", organized by McGraw-Hill, India on 21st May, 2020.

24. Attended **One-Day Workshop** on "**How to Write and Publish Scholarly Articles**", jointly organized by Dr. Zakir Husain Library, JMI & Springer Nature on 24th August, 2017 at Jamia Millia Islamia, New Delhi.

25. Attended **One-Day International Seminar** on "**Cloud Computing and Distributed Systems**", Department of computer Science, Jamia Millia Islamia, New Delhi, on 30th December, 2016.

26. Participated **One-Day Faculty Development Program** on "**Big Data Computing**" held at Institute of Management Studies, Ghaziabad on 22nd November, 2014.

27. Participated in the **Orientation Programme** on "**Open and Distance Learning System**" organized by Centre for Distance and Open Learning, Jamia Millia Islamia, New Delhi, on 28th March, 2014.

28. **Workshop** on "**Revision of Syllabi of Diploma in Engineering**", organized by Jamia Millia Islamia (A Central University), New Delhi-110025 (2012).

29. Participated in the **Faculty Development Program** on "**Emerging Technologies**" held on 3rd March, 2012 Conducted by Tata Consultancy Services, organized by BVICAM, New Delhi.

30. Participated in the **Workshop** on "**ERP Mission**" organized under the aegis of the National Mission on Education (NMEICT), MHRD, Govt. of India held at FTK-Centre for Information Technology, JMI during 17-18 September, 2011.

31. Attended the **Workshop** on "**Web 2.0 in Education**" organized by FTK- Centre for Information Technology, Jamia Millia Islamia, New Delhi on 4th November, 2008.

32. Attended the **Workshop** on "**IT for ALL**" organized by FTK-Centre for Information Technology, Jamia Millia Islamia, New Delhi during 31st October, 2007 to 1st November, 2007.

REVIEWER/SESSION CHAIR/ MEMBERSHIP OF PROFESSIONAL/ACADEMIC BODIES

1. **Chaired a Session** titled **Communication and Control Systems** in the 6th International Conference on Communication and Computational Technologies **(ICCCT-2024)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Rajasthan Institute of Engineering and Technology, Jaipur, India held during January 08-09, 2024.

2. **Reviewer** for 6th International Conference on Information Systems and Management Science **(ISMS-2023)** organized by Department of Computer Science and Engineering, OP Jindal University, Raigarh, India and ICT, University of Malta, Msida, Malta held at IIT Bhilai, India during December 23-24, 2023.

3. **Technical Program Committee Member** in the 3rd International Conference on Advanced Network Technologies and Intelligent Computing **(ANTIC-2023)**, organized by Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India in hybrid mode held during December 20-22, 2023.

4. **Technical Program Committee Member** and **Reviewer** in the International Conference on Advanced Computing Techniques in Engineering & Technology **(ACTET-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Department of Electrical Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India held during December 18-19, 2023.

5. **Reviewer** for 3rd IEEE International Conference on Mobile Networks and Wireless Communications **(ICMNWC-2023)** organized by Department of Electronics and

Telecommunication Engineering, Sri Siddhartha Institute of Technology, Tumakuru in association with IEEE Bangalore Section held during December 04-05, 2023.

6. **Chaired a Session** titled **Emerging Technologies** in the Congress on Smart Computing Technologies **(CSCT-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by SAU Center for Research and Innovative Learning (SCRIL), South Asian University, India held during December 02-03, 2023.

7. **Program Committee Member** and **Reviewer** in the Congress on Smart Computing Technologies **(CSCT-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by SAU Center for Research and Innovative Learning (SCRIL), South Asian University, India held during December 02-03, 2023.

8. **Reviewer** for First IEEE International Conference on Integrated Intelligence and Communication Systems **(ICIICS-2023)** organized by Sharnbasva University, Kalaburagi, India held during November 24-25, 2023.

9. **Reviewer** for IEEE First International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics **(AIKIIE-2023)** organized by Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari, India held during November 02-03, 2023.

10. **Program Committee Member** and **Reviewer** in the 5th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology **(ICSISCET-2023)** organized by Madhav Institute of Technology & Science, Gwalior (M.P.), India Technically Sponsored by Soft Computing Research Society (SCRS), New Delhi held during October 21-22, 2023.

11. **Reviewer** for International Conference on Evolutionary Algorithms and Soft Computing Techniques **(EASCT-2023)** organized by R V Institute of Technology and Management, Bengaluru, Karnataka, India held during October 20-21, 2023.

12. **Program Committee Member** and **Reviewer** in the 2nd International Conference on Advances in Data-driven Computing and Intelligent Systems **(ADCIS-2023)** organized by BITS Pilani, K K Birla, Goa Campus, India Co-organized by National Forensic Sciences University, Goa and Technically Sponsored by Soft Computing Research Society (SCRS) held during September 21-23, 2023.

13. **Program Committee Member** and **Reviewer** in the 4th Congress on Intelligent Systems **(CIS-2023)** organized by the Department of Computer Science and Engineering, CHRIST (Deemed to be University), Kengeri Campus, Bangalore, India Sponsored by Soft Computing Research Society (SCRS), New Delhi and All India

Council for Technical Education (AICTE), New Delhi held during September 04-05, 2023.

14. **Reviewer** for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology **(NMITCON-2023)** organized by Nitte Meenakshi Institute of Technology, Bengaluru, India in association with IEEE Bangalore Section held during September 01-02, 2023.

15. **Chaired a Session** at the Hinweis Second International Conference on Networking, Communication and Computing Technology **(NCCT-2023)** held on August 26, 2023.

16. **Program Committee Member** and **Reviewer** in the International Conference on Artificial Intelligence: Theory and Applications **(AITA-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by ICFAI Business School (IBS) Bangalore, Off-campus Centre of ICFAI Foundation for Higher Education (IFHE) University, India held during August 11-12, 2023.

17. **Program Committee Member** and **Reviewer** in the 2023 IEEE World Conference on Applied Intelligence and Computing **(AIC-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and jointly organized by Rajkiya Engineering College, Sonbhadra, India & Ashoka Institute of Technology & Management, Varanasi, India held during July 29-30, 2023.

18. **Reviewer** for First IEEE International Conference on Data Science and Network Security **(ICDSNS-2023)** organized by Kalpataru Institute of Technology, Tiptur, India held during July 28-29, 2023.

19. **Program Committee Member** and **Reviewer** in the 4th International Conference on Data Science and Applications **(ICDSA-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Malaviya National Institute of Technology (MNIT), Jaipur, India held during July 14-15, 2023.

20. **Program Committee Member** and **Reviewer** in the International Conference on Power Engineering and Intelligent Systems **(PEIS-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by National Institute of Technology (NIT), Delhi, India held during June 24-25, 2023.

21. **Reviewer** at the IEEE International Conference on Applied Intelligence and Sustainable Computing **(ICAISC-2023)** organized by Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad, India held during June 16-17, 2023.

22. **Reviewer** in International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies **(REEDCON-2023)** organized by the Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, India held during May 01-03, 2023.

23. **Member Technical Program Committee** and **Reviewer** in the 4th International Conference on Recent Trends in Communication & Intelligent Systems **(ICRTCIS-2023)** organized by the Department of Electronics & Communication Engineering, Arya College of Engineering & I.T., Jaipur, Rajasthan, India held during April 28-29, 2023.

24. **Program Committee Member** and **Reviewer** in the International Conference on Paradigms of Communication, Computing and Data Analytics **(PCDDA-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Dr. Akhilesh Das Gupta Institute of Technology & Management, Delhi, India held during April 22-23, 2023.

25. **Reviewer** at the IEEE International Conference on Contemporary Computing and Communications **(InC4)** organized by the Department of Computer Science and Engineering, CHRIST (Deemed to be University), Kengeri Campus, Bangalore, India held during April 21-22, 2023.

26. **Technical Program Committee (TPC) Member and Reviewer** in the Congress on Control, Robotics and Mechatronics **(CRM-2023)** Technically Sponsored by Soft Computing Research Society (SCRS) and organized by the Modi Institute of Technology, Kota, India held during March 25-26, 2023.

27. **Technical Program Committee (TPC) Member** at the 10th International Conference on Signal Processing and Integrated Networks **(SPIN-2023)** organized by the Department of Electronics & Communication Engineering, Amity School of Engineering & Technology, Noida, Uttar Pradesh, India held during 23-24 March, 2023.

28. **Chaired a Session** titled **Artificial Intelligence** in the World Conference on Artificial Intelligence: Advances and Applications **(WCAIAA-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Sir Padampat Singhania University, Udaipur, Rajasthan, India held during March 18-19, 2023.

29. **Program Committee Member** and **Reviewer** in the World Conference on Artificial Intelligence: Advances and Applications **(WCAIAA-2023)**, Technically Sponsored by

Soft Computing Research Society (SCRS) and organized by Sir Padampat Singhania University, Udaipur, Rajasthan, India held during March 18-19, 2023.

30. **Reviewer** at the International Conference on Artificial Intelligence, Blockchain, Computing and Security **(ICABCS-2023)** organized by Galgotias University, Greater Noida, Uttar Pradesh, India held during February 24-25, 2023.

31. **Program Committee Member** and **Reviewer** in the 3rd International Conference on Computer Vision and Robotics **(CVR-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Babu Banarasi Das University Lucknow, India held during February 24-25, 2023.

32. **Reviewer** at the IEEE sponsored OPJU International Technology Conference on Emerging Technologies for Sustainable Development **(OTCON 2.0)** held at the OP Jindal University, Raigarh, Chhattisgarh, India held during 8th -10th February, 2023.

33. **Chaired a Session** titled **Intelligent System: Algorithms and Applications** in the 5th International Conference on Communication and Computational Technologies **(ICCCT-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Rajasthan Institute of Engineering and Technology, Jaipur, India held during January 28-29, 2023.

34. **Program Committee Member** and **Reviewer** in the 5th International Conference on Communication and Computational Technologies **(ICCCT-2023)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by Rajasthan Institute of Engineering and Technology, Jaipur, India held during January 28-29, 2023.

35. **Technical Program Committee (TPC) Member** in the 2nd International Conference on Advanced Network Technologies and Intelligent Computing **(ANTIC-2022)** organized by the Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India held during December 22-24, 2022.

36. **Reviewer** at the 2nd International Conference on Advanced Network Technologies and Intelligent Computing **(ANTIC-2022)** organized by the Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India held during December 22-24, 2022.

37. **Program Committee Member** and **Reviewer** in the 4th International Conference on Communications and Intelligent System **(ICCIS-2022)**, Technically Sponsored by Soft Computing Research Society (SCRS) and organized by National Institute of Technology (NIT), Delhi, India held during December 19-20, 2022.

38. **Chaired a Session** in the AICTE Sponsored International Conference on Recent Advancements in Artificial Intelligence and Soft Computing **(ICAISC-2022)**, Organized by Methodist College of Engineering and Technology, Hyderabad, India held during December 2-3, 2022.

39. **Technical Programme Committee (TPC) Member** in 8th International Conference on Signal Processing and Communication **(ICSC-2022)** held during December 01-03, 2022 at Jaypee Institute of Information Technology, Noida, Uttar Pradesh, India.

40. **Reviewer** and **Program Committee Member** in the International Conference on Recent Advances in Computer Science and Engineering-2022 **(ICRACSE-2022)** organized by Department of Computer Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, India held during November 26-27, 2022.

41. **Technical Program Committee (TPC) Member** and **Reviewer** in the 2nd International Conference on Intelligent Vision and Computing **(ICIVC-2022)**, Technically Sponsored by Soft Computing Research Society (SCRS) and Organized by National Institute of Technology (NIT), Agartala, India held during November 26-27, 2022.

42. **Chaired a Session** titled **Computer Vision** in the 6th International Joint Conference on Advances in Computational Intelligence **(IJCACI-2022)** Organized by SAU Center for Research and Innovative Learning (SCRIL), South Asian University, India and Jahangirnagar University, Bangladesh held during October 15-16, 2022.

43. **Chaired Three Sessions** during the 11th International Conference on Recent Trends in Information Processing & Computing **(IPC-2022)**, which is organized by the Association of Computer Electrical Electronics and Communication Engineers (ACEECom)- a division of The Institute of Doctors Engineers and Scientists (IDES) held during September 29-30, 2022 Bhopal, India.

44. **Program Committee Member** and **Reviewer** in the 3rd Congress on Intelligent Systems **(CIS-2022)** International Conference Organized by CHRIST (Deemed to be University), Bengaluru, India Technically Sponsored by Soft Computing Research Society (SCRS) held during September 05-06, 2022.

45. **Chaired a Session** titled **Image Processing and Computer Vision** in the 3rd Congress on Intelligent Systems **(CIS-2022)** International Conference Organized by CHRIST (Deemed to be University), Bengaluru, India Technically Sponsored by Soft Computing Research Society (SCRS) held during September 05-06, 2022.

46. **Chaired a Session** titled **Computer System Privacy and Security** in the IEEE World Conference on Applied Intelligence and Computing **(AIC-2022)**, Technically Sponsored by Soft Computing Research Society (SCRS) and Organized by Rajkiya Engineering College, Sonbhadra, India held during June 17-19, 2022.

47. **Program Committee Member** and **Reviewer** in the IEEE World Conference on Applied Intelligence and Computing **(AIC-2022)**, Technically Sponsored by Soft Computing Research Society (SCRS) and Organized by Rajkiya Engineering College, Sonbhadra, India held during June 17-19, 2022.

48. **Chaired a Session** titled **Computer Vision** in the 2nd International Conference on Computer Vision and Robotics **(CVR-2022)**, Technically Sponsored by Soft Computing Research Society (SCRS) and Organized by Babu Banarasi Das University Lucknow, India held during May 21-22, 2022.

49. **Chaired a Session** titled **Emerging Technology** in the International Conference on Artificial Intelligence: Advances and Applications **(ICAIAA-2022)**, Technically Sponsored by Soft Computing Research Society (SCRS) and Organized by Poornima College of Engineering, Jaipur, India held during April 23-24, 2022.

50. **Program Committee Member** and **Reviewer** in the International Conference on Artificial Intelligence: Advances and Applications **(ICAIAA-2022)**, Technically Sponsored by Soft Computing Research Society (SCRS) and Organized by Poornima College of Engineering, Jaipur, India held during April 23-24, 2022.

51. **Reviewer** at the International Conference on Power Electronics & IOT Applications in Renewable Energy and its Control **(PARC-2022)** organized by the Department of Electronics Engineering, GLA University, Mathura, India during January 21-22, 2022.

52. **Technical Programme Committee (TPC) Member** in the IEEE International Conference on Technology, Research & Innovation for Betterment of Society **(TRIBES-2021)** held during December 17-19, 2021 at International Institute of Information Technology (IIIT) Naya Raipur, Chhattisgarh, India.

53. **Judge** in **"Toycathon-2021"** the biggest hackathon for developing toys based on Indian Ethos organized jointly by Ministry of Education in coordination with five other Ministries: Ministry of Women and Child Development, Ministry of Information and Broadcasting, Ministry of Commerce & Industry, Ministry of Small and Medium Enterprises (MSME), and Ministry of Textiles, India.

54. **Primary Evaluator** in **"Toycathon-2021"** the biggest hackathon for developing toys based on Indian Ethos organized jointly by Ministry of Education in

coordination with five other Ministries: Ministry of Women and Child Development, Ministry of Information and Broadcasting, Ministry of Commerce & Industry, Ministry of Small and Medium Enterprises (MSME), and Ministry of Textiles, India.

55. **Chaired a Session** in the 9th International Conference on Reliability, Infocom Technologies and Optimization **(ICRITO-2021)** during 3-4 September, 2021 at Amity University, Noida, Uttar Pradesh, India.

56. **Reviewer** in the International Journal "**Multimedia Tools and Applications**" Print ISSN: 1380-7501, Springer Nature Switzerland AG, 2020-2022.

57. **Reviewer** in the International Journal of European Alliance for Innovation **(EAI)**, eScripts, 2020.

58. **Technical Committee Member** in the 4th International Conference **(CONFLUENCE-2013)**, Amity School of Engineering & Technology, Noida, Uttar Pradesh, September 26-27, 2013.

59. **Member, Board of Studies (BoS)**, Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi from 2007 till date.

60. **Member, Jamia Teachers Association (JTA)**, Jamia Millia Islamia, New Delhi from 2007 till date.

61. **Member of Moderation Committee** of Diploma in Computer Engineering (Day and Self-Finance Courses) from 2009 till date.

62. **Student Advisor** of Computer Engineering I year Student (2007-2009), Computer Engineering II year Student (2010-2011), Computer Engineering III year Student (2012-2019).

63. **Member of Moderation Committee** of Distance Education, Centre for Distance and Open Learning **(CDOE)**, Jamia Millia Islamia, New Delhi.

64. **Course Writer** for Distance Education, Centre for Distance and Open Learning **(CDOE)**, Jamia Millia Islamia, New Delhi.

65. **Tabulator** to tabulate the result of Diploma in Engineering (Day & Evening) Annual Examination (2010, 2011 and 2012) also to tabulate the results of Diploma in Engineering (Day) Semester Examination 2015 to 2018.

66. **Working Member**, Revision of Diploma Engineering Courses/Syllabus, Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi.

67. **Member, Timetable Committee**, Section of Computer Engineering, Department of University Polytechnic, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi.

PUBLICATIONS

Journal Publications: Indian/International

1. Shadma Bakhtawar, Shahid Imam, Shadab Ali and **Sunil**, published a paper entitled "**SafeWay: An Android Application based Automatic Vehicle Accident Detection and Messaging System**", International Journal of Computer Sciences and Engineering (IJCSE), Vol.11, Special Issue.1, pp.149-154, ISSN: 2347-2693, November 2023.

2. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Nature Inspired Computing Paradigm for E-Learning Platforms**", Alochana Chakra Journal, Volume IX, Issue VIII, (2020), pp. 1930-1940, ISSN NO:2231-3990. (UGC CARE Listed Journal)

3. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Analysing Learners Interaction in E-learning Platforms Using Generative Knowledge Interviewing (GKI) Technique**", Industrial Engineering Journal, Volume 13, ISSN:2581-4915. (UGC CARE Listed Journal)

4. **Sunil**, Prof. M. N. Doja, published a paper entitled "**RSPAEP: A Recommender System for Personalized Educational Platform based on Multiple Intelligences**", Mukt Shabd Journal, Volume IX, Issue VII, JULY/2020, pp. 1736-1746, ISSN NO: 2347-3150. (UGC CARE Listed Journal)

5. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Recommender System for E-Learning Platforms based on Collaborative Problem-Solving Techniques**", Alochana Chakra Journal, Volume IX, Issue VI, (2020), pp. 1805-1813, ISSN NO:2231-3990. (UGC CARE Listed Journal)

6. **Sunil**, Prof. M. N. Doja, published a paper entitled "**A review paper on Identifying students' interest in E-learning using web usage mining**", at International Journal of Latest Trends in Engineering and Technology (IJLTET), Volume 8 Issue 1, Jan-2017, pp.520-525, doi: 10.21172/1.81.067, e-ISSN:2278-621X. (UGC Approved Journal)

7. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Recommender system based on web usage mining for restructuring of E-learning websites and blogs**" at

International Journal of Research in Engineering & Advanced Technology (IJREAT), Volume 5, Issue 1, Feb - Mar, 2017, ISSN: 2320-8791. (UGC Approved Journal)

8. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Web Data Mining in E-services –Concepts and Applications**" at Indian Journal of Computer Science and Engineering (IJCSE), Volume 8 No. 3, Jun-Jul 2017, pp.313-318, ISSN: 0976-5166. (UGC Approved Journal)

9. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Web Usage Mining Techniques to Improve the Capabilities of E-learning Websites and Blogs**", International Journal of Advanced Research in Computer Science (IJARCS), Volume 8, No. 5, May-June 2017, pp.1847-1851, ISSN No. 0976-5697. (UGC Approved Journal)

10. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Recommender System Based on Web Usage Mining for Personalized E-learning Platforms**", International Journal of Modern Computer Science (IJMCS), Volume 5, Issue 3, June, 2017, pp.48-53, ISSN: 2320-7868 (Online). (UGC Approved Journal)

11. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Web Usage Mining Techniques to Identify Students Learning Behavioural Patterns for an Educational Web Portal**", International Journal of Innovative and Emerging Research in Engineering (IJIERE), Volume 4, Issue 6, 2017, pp.33-37, e-ISSN: 2394-3343. (UGC Approved Journal)

12. **Sunil**, Prof. M. N. Doja, published a paper entitled "**Data Mining Techniques to Discover Students Visiting Patterns in E-learning Resources**", International Journal of Computer Science and Mobile Computing (IJCSMC), Vol. 6, Issue. 6, June 2017, pg.363 – 368, ISSN: 2320-088X. (UGC Approved Journal)

Conference Publications: Indian/International

13. Himanshu Kumar, Rukhsar Parveen, Adnan and **Dr. Sunil**, presented a paper entitled "**Trends and Future Research Directions in Intelligent Healthcare Recommendation System: A Review**", at National Conference on Research Advancement and Innovations in Computing, Communications and Information Technologies (RAICCIT 2023) held at JIS University, Agarpara, Kolkata, India on June 23 - 24, 2023.

14. Shadma Bakhtawar, Shahid Imam, Shadab Ali and **Dr. Sunil**, presented a paper entitled "**SafeWay: An Android Application based Automatic Vehicle Accident Detection and Messaging System**", at National Conference on Research

Advancement and Innovations in Computing, Communications and Information Technologies (RAICCIT 2023) held at JIS University, Agarpara, Kolkata, India on June 23 - 24, 2023.

15. Shahroz Suhel, Saman Parwez, Salma Siddique, Nusrat Fatma, Mohd. Shadab and **Dr. Sunil**, presented a paper entitled "**An Online Mobile-based Doctor Appointment Booking Application to Enhance the Acceptability of Healthcare Systems**", at National Conference on Research Advancement and Innovations in Computing, Communications and Information Technologies (RAICCIT 2023) held at JIS University, Agarpara, Kolkata, India on June 23 - 24, 2023.

16. Hena Fatma, Dr. Md. Masroor Ahmad and **Dr. Sunil**, presented a paper entitled "**Analyzing the Role of Artificial Intelligence in Modern Healthcare System**", at National Conference on Research Advancement and Innovations in Computing, Communications and Information Technologies (RAICCIT 2023) held at JIS University, Agarpara, Kolkata, India on June 23 - 24, 2023.

17. **Sunil**, Prof. M. N. Doja, presented a paper entitled "**Recommender System for Personalized Adaptive E-learning Platforms to Enhance Learning Capabilities of Learners based on their Learning Style and Knowledge Level**", at International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019) Elsevier SSRN, held at Amity University Rajasthan, Jaipur, India on February 26 - 28, 2019, pp.1397-1402.

18. **Sunil**, Prof. M. N. Doja, presented a paper entitled "**An Improved Recommender System for E-learning Environments to enhance learning capabilities of Learners**", at International Conference on Emerging Trends in Information Technology (ICETIT-2019) Springer, held at Institute of Information Technology and Management, Janakpuri, Delhi, India on June 21-22, 2019.

19. **Sunil**, Prof. M. N. Doja, presented a paper entitled "**Recommender System for Integrating Tacit Knowledge in E-learning Environment to Enhance Learning Potential of Learners**", at International Conference on Advancements in Computing & Management (ICACM-2019) Elsevier SSRN, held at JaganNath University, Jaipur, Rajasthan, India on April 13-14, 2019.

20. **Sunil**, Farah Jamal Ansari, Safdar Tanveer, presented a paper entitled "**An Energy Efficient Secure Zone-Based Routing Protocol for Mobile Ad-Hoc Networks**", at International Conference on Computer Science and Engineering (ICCSE-2012), held at Nainital, Uttarakhand on 19th May, 2012. (ISBN No: 978-93-81693-96-4).

21. **Sunil**, Farah Jamal Ansari, published a paper entitled "**A GUI Tool for Computation of Cyclomatic Complexity of a Program**", at National Conference on Architecture, Software system, and Green Computing (NCASG-2012), on 9th May, 2012 held at AVIT, Paiyanoor. (ISBN: 978-93-81208-09-0).

22. Farah Jamal Ansari, **Sunil**, published a paper entitled "**Cloud Computing for E-Learning**", at National Conference on Architecture, Software system, and Green Computing (NCASG-2012), on 9th May, 2012 held at AVIT, Paiyanoor. (ISBN: 978-93-81208-09-0).

23. Mohd. Sadiq, **Sunil**, Sherin Zafar, Mohammad Asim, R. Suman, published a paper entitled "**GUI of esrcTool: A Tool to Estimate the Software Risk and Cost**", the 2nd IEEE International Conference on Computer and Automation Engineering (ICCAE-2010), Singapore, pp 673-677. (ISBN No: 978-1-4244-5586-7).

24. Mohd. Sadiq, **Sunil**, M. Kamil, published a paper entitled "**Logic Theory: A Journey from Digital System Design to Knowledge Based System Design**", National Conference on Computing for Nation Development, IndiaCom-2010, New Delhi, India (ISBN No: 978-81-904526-9-4).

25. Abdul Ahad, **Sunil**, published a paper entitled "**Analyzing Steganographic Algorithm in Java by Function Point Technique**", National Conference on Computing for Nation Development, IndiaCom-2010, New Delhi, India (ISBN No: 978-81-904526-9-4).

Book Chapters

26. **Sunil**, Prof. M. N. Doja, published a book chapter entitled "**An Improved Recommender System for E-learning Environments to enhance learning capabilities of Learners**", at Emerging Trends in Information Technology, Lecture Notes in Electrical Engineering, (Proceedings of ICETIT-2019) Published by Springer Nature Switzerland AG, June, 2019. ISBN 978-3-030-30576-5.

CONFERENCES ATTENDED

1. **International Conference on Emerging Trends in Information Technology (ICETIT-2019)**, June 21-22, 2019, Institute of Information Technology and Management, Janakpuri, Delhi, India.

2. **International Conference on Advancements in Computing & Management (ICACM-2019)**, April 13-14, 2019, JaganNath University, Jaipur, Rajasthan, India.

3. **International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019)**, February 26-28,2019, Amity University Rajasthan, Jaipur, India.

EXTRA-CURRICULAR ACTIVITIES & ACHIEVEMENTS

1. **Supervised Game Events** of University Polytechnic, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi held in the years 2010 to 2017 (8 Years).
2. **Editor, Departmental Magazine**, Department of University Polytechnic, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (2019-2020).
3. **Organizer** for conducting departmental cultural events, Department of University Polytechnic, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi.
4. **GATE** (Computer Science and Engineering) qualified in year 2007.
5. **GATE** (Computer Science and Engineering) qualified in year 2014.

Research Gate	https://www.researchgate.net/profile/Sunil-2
Google Scholar	https://scholar.google.com/citations?user=OzKlf8AAAAAJ&hl=en
LinkedIn	https://www.linkedin.com/in/dr-sunil-rawat-aa849a214

Date: January, 2024

Place: New Delhi   **(Dr. Sunil)**